



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/669,171	09/25/2000	Ahti Muhonen	781.378USW1	3013

32294 7590 11/19/2004

SQUIRE, SANDERS & DEMPSEY L.L.P.
14TH FLOOR
8000 TOWERS CRESCENT
TYSONS CORNER, VA 22182

EXAMINER

CONTEE, JOY KIMBERLY

ART UNIT	PAPER NUMBER
----------	--------------

2686

DATE MAILED: 11/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/669,171	Applicant(s) MUHONEN, AHTI	
	Examiner Joy K Contee	Art Unit 2686	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 August 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 and 12-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 12-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Allowable Subject Matter

1. The indicated allowability of claims 1-7 and 12-19 is withdrawn in view of the newly discovered reference(s) to Okanou et al. (U.S. Patent No. 5,862,345).

Rejections based on the newly cited references follow.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-7 and 12-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Okanou et al. (Okanou), U.S. Patent No. 5,862,345.

Regarding claims 1,12 and 16, Okanou discloses a mobile communications system (and an area register therein) comprising:

at least one mobile communication network (col. 2,lines 10-22 and col. 3,lines 44-52);

at least one service center (reads on subnetwork 1) for point-to-multipoint services (reads on sending multicast packets)(col. 1,lines 54-66 and see Fig. 1);

at least one network node (reads on other subnetwork) through which a point-to-multipoint service is transmitted to cells belonging to a destination area, the

Art Unit: 2686

geographical destination area of the point-to-multipoint service being indicated in the system as a logical name (col. 1, lines 54-66), wherein,

the system comprises memory means for mapping each predetermined logical name to one or more network element addresses of the system (col. 3, lines 36-43)

a service center is arranged to inquire, in response to a received service request, from the memory means the addresses of the network elements corresponding to the logical name of the destination area and to transmit the point-to-multipoint service via the network elements to the geographical destination (col. 5, line 1 to col. 7, line 7).

Regarding claims 2, 6 and 17, Okanoue discloses a mobile communication system according to claims 1, 5 and 16, respectively, characterized in that the service center is also arranged to check whether the network element (reads on subnetworks) address is the address of the a second service center and if yes to transmit the service request to the second service center (col. 5, lines 1-26).

Regarding claims 3 and 7, Okanoue discloses a mobile communication system according to claims 2 and 5, respectively, characterized in that the memory means are arranged to link to the address of the second service center associated with the logical name a second logical name corresponding to the logical name in the service area of the second service center and the service center is arranged to replace the logical name given in the service request with said second logical name before the service request is transmitted to the second service center (col. 3, lines 37-43 and col. 4, lines 34-59 and col. 5, lines 35-52).

Art Unit: 2686

Regarding claims 4 and 13, Okanou discloses the mobile communication system according to claims 1,12 wherein the logical name of the destination area can be determined by means of at least two logical names (reads on L-ID and G-ID) and their intermediate logical operator (reads on datalink layer address), the logical operator indicating how the areas of the logical names relate to each other, and the memory means are arranged to map the logical name of the destination area that is formed by the two or more logical names and the intermediate logical operator between successive names to one or more network element address of the system (col. 5, lines 35-52).

Regarding claim 5, Okanou discloses the limitations as applied above (claims 1,12 and 16), but additionally discloses maintaining an address list (reads on database) for each logical name in the mobile communication network, the address list being used for mapping a logical name to one or more network element address of the system (col. 3, lines 3-43).

Regarding claim 14, Okanou discloses the limitations of claim 12, wherein at least one logical name is divided into logical names of a lower hierarchical level so that the geographical destination area of the logical name of the higher hierarchical level is formed of the geographical destination areas of the logical names of the lower hierarchical level (col. 6, lines 15-20).

Regarding claim 15, Okanou discloses an area register according to claim 12, characterized in that it comprises updating means for adding logical names to and for

Art Unit: 2686

removing them from the list of logical names and for adding network element address to and for removing them from the network element (col. 3, line 53 to col. 4, line 12).

Regarding claim 18, Okanoué discloses a service center according to claim 16, characterized in that it comprises load means for monitoring the load of the service center itself and that of the second service center and determining means responsive to the load means for re-determining the service area of the second service center (col. 4, lines 33-59).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joy K Contee whose telephone number is 703-308-0149. The examiner can normally be reached on M (alternating), T & Th, 5:30 a.m. to 2:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 703-305-4379. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2686

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Joy Contee

November 13, 2004



MARSHA D. BANKS-HAROLD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600